

Building Sustainable Coastal Communities Through Partnership

Marianne Walch, Ph.D.
Science & Restoration
Coordinator



DELAWARE CENTER FOR THE
INLAND BAYS
Research. Educate. Restore.

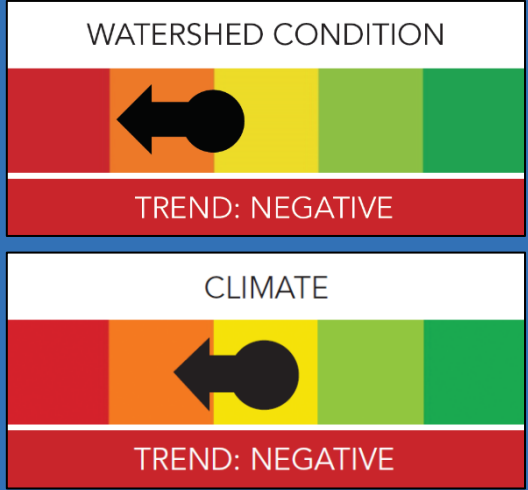
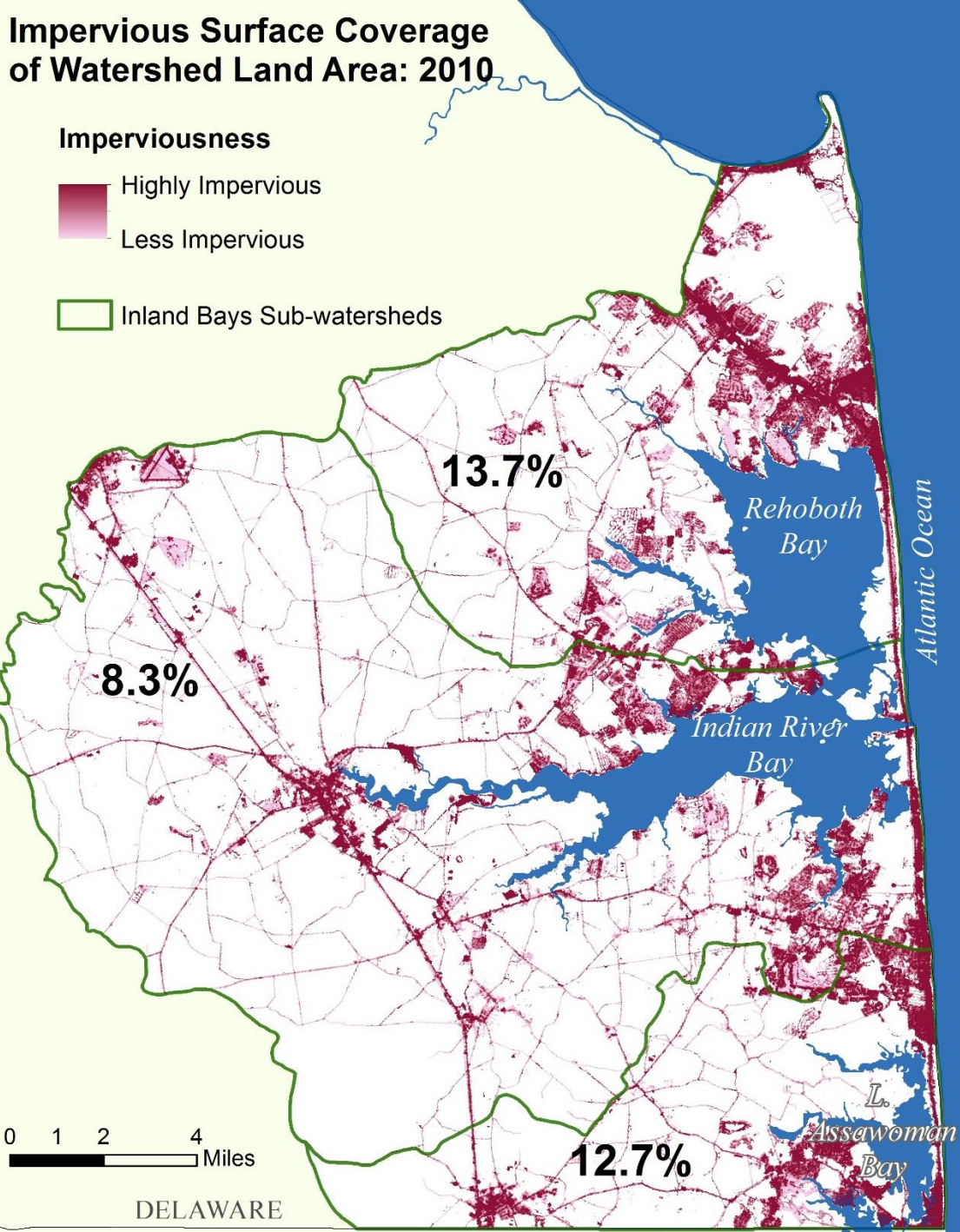
Impervious Surface Coverage of Watershed Land Area: 2010

Imperviousness

Highly Impervious

Less Impervious

Inland Bays Sub-watersheds



- Increased flooding
- Increased runoff
- Shoreline erosion
- Drowning of tidal wetlands

Anchorage Canal Surface Drainage Area & Communities

Bethany Beach

Sea Colony

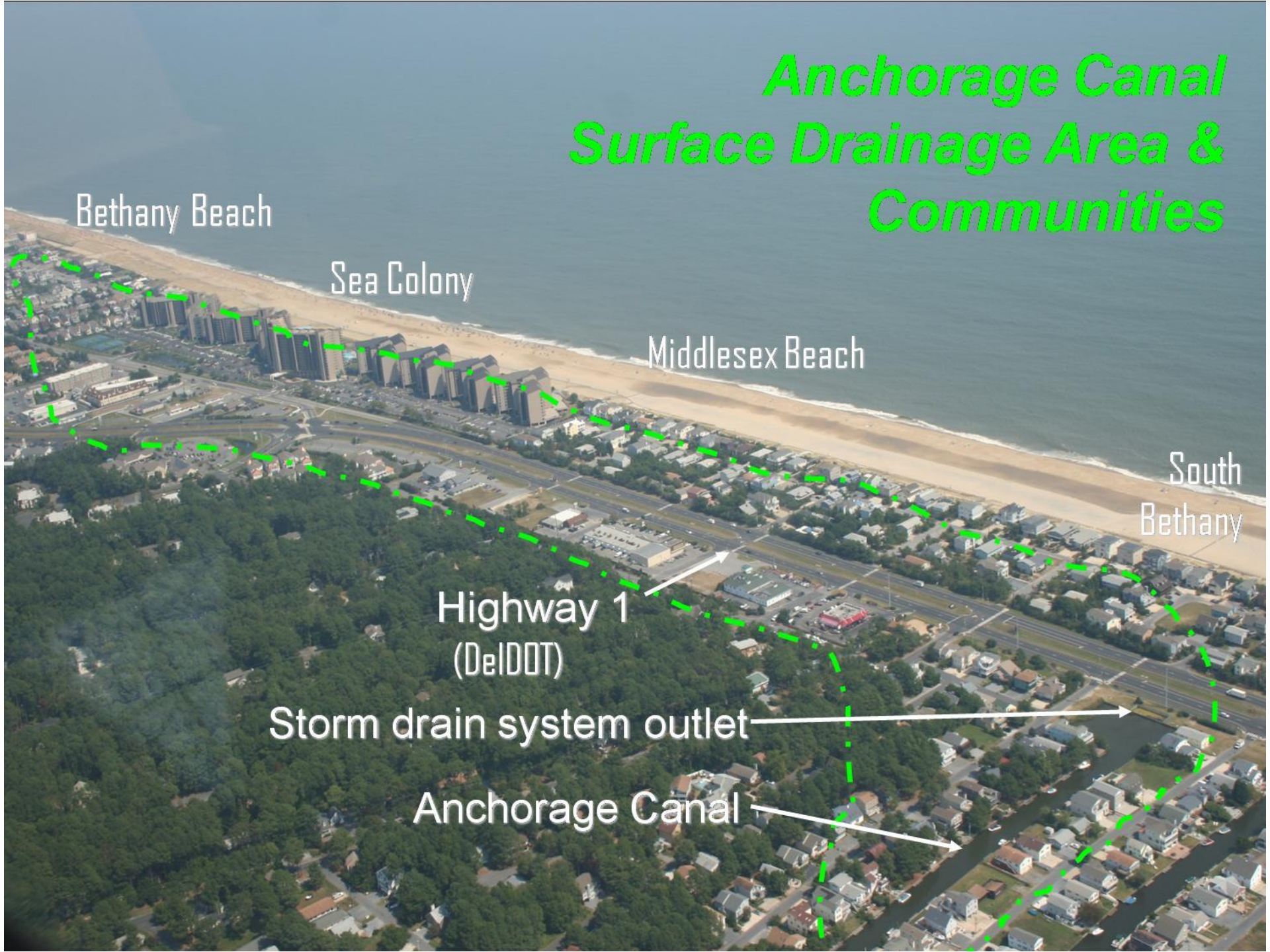
Middlesex Beach

South
Bethany

Highway 1
(DelDOT)

Storm drain system outlet

Anchorage Canal







TJRdefer
...IT IS ALL ABOUT THE LIGHTS





Stormwater runoff is a major source of pollution to the canals and Little Assawoman Bay, contributing to poor water quality for aquatic life and recreation.

Capturing Stormwater ...for Cleaner Canals

Working with the community and partners, the Delaware Center for the Inland Bays implemented a plan to improve water quality in Little Assawoman Bay by capturing and filtering polluted stormwater before it enters the Anchorage Canal. Fully implemented, the strategy is designed to beautify the area and reduce pollutant loads into the Canal by 40%.

INLAND BAYS
A Partnership with the Delaware Center for the Inland Bays

Project Partners: University of Delaware and the Delaware Department of Transportation
Community Partners: University of South Carolina, Middleburg Beach and Sea County

Rain gardens have been planted in the Rt. 1 medians and along the roadside swales to road. As the stormwater percolates into the soil, the rain gardens filter out nutrients and pollutants.

The 'forebay' in front of you receives water from the storm drain system allowing the polluted sediments to settle to the bottom before the water enters the canal. Periodically, the polluted sediment can be cleaned out.